

WHAT IS CLAIMED IS:

1. A method for manufacturing a mesh jewel by forming a mesh with at least one metallic wire section by arranging the mesh along a mesh surface, wherein the mesh comprises nodes at adjoining wire section parts of said at least one wire section, and wherein at least some of the nodes are formed with a node element fixing the adjoining wire section parts together, the method comprising the steps of

arranging pins in cross direction to the mesh surface,

arranging said at least one wire section so as to pass tangentially to or bent on the pins, and

attaching ends of said at least one wire section to the mesh jewel,

wherein ends of the pins are closed by retaining means so as to prevent displacement of adjoining wire section parts in an axial direction of the pin, said retaining means comprising retaining elements arranged at the ends of the pins.

2. The method according to claim 1, further comprising the steps of:

forming a shaping piece having a surface corresponding to the mesh surface,

securing along the surface of the shaping piece pins fitted with respective retaining elements at least at their ends facing the shaping piece,

arranging the at least one wire section along the surface of the shaping piece, and

removing the shaping piece.

3. The method according to claim 2, wherein the pins secured along the surface of the shaping piece are fitted with respective retaining elements only at their ends facing the shaping piece, and wherein, after arranging the at least one wire section, free ends of the pins are closed by further retaining elements or closings.

4. The method according to claim 2, wherein the pins secured along the surface of the shaping piece are fitted with retaining elements at both of their ends.

5. The method according to claim 2, further comprising the step of fixing the wire section parts abutting the pins to the pins by soldering or welding.

6. The method according to claim 2, further comprising the steps of placing the shaping piece onto a rigid jewel body, and arranging the at least one wire section fixedly attached to the jewel body.

7. The method according to claim 6, further comprising the steps of forming through holes in the jewel body and attaching the at least one wire section to the jewel body by looping it through the through holes.

8. The method according to claim 6, further comprising the steps of forming fixing pins secured to the jewel body and attaching the at least one wire section to the jewel body by means of the fixing pins.

9. The method according to claim 6, further comprising the steps of creating a jewel structure by fixing the pins with the retaining elements by means of distance rods to the jewel body, and, after heating the jewel structure, pulling the shaping piece made of a thermoplastic material onto the jewel structure.

10. The method according to claim 6, further comprising the steps of:  
creating a jewel structure by fixing distance rods to the jewel body,  
after heating the jewel structure, pulling the shaping piece made of a thermoplastic material onto the jewel structure,  
adjusting free ends of the distance rods according to the surface of the shaping piece, and  
forming the pins with the retaining elements on the free ends of the distance rods.

11. The method according to claim 10, further comprising the steps of removing the shaping piece before arranging the at least one wire section, and arranging the at least one wire section along the shortest paths between the pins.

12. The method according to claim 9, further comprising the step of forming the jewel structure integrally by casting.

13. The method according to claim 1, further comprising the steps of creating a latticework having a three-dimensional surface corresponding to the mesh surface and providing it with pins fixed to lattice knots of the latticework, and arranging the at least

one wire section along the surface of the latticework and fixedly connected to the latticework by means of the pins.

14. The method according to claim 13, further comprising the steps of:

creating a shaping piece having a three-dimensional surface corresponding to the mesh surface,

forming the latticework along the surface of the shaping piece,

fixing the pins to the lattice knots of the latticework, and

removing the shaping piece.

15. The method according to claim 14, wherein, after arranging the at least one wire section the retaining elements are attached to the free ends of the pins by soldering or welding.

16. The method according to claim 13, further comprising the step of forming the latticework with the pins fixed to the lattice knots integrally by casting.

17. The method according to claim 13, wherein the retaining means are formed integrally with the pins.

18. The method according to claim 13, wherein the latticework is formed fixedly attached to a jewel body.

19. The method according to claim 18, wherein the fixing pins are secured to the jewel body, and the at least one wire section is arranged fixedly attached to the jewel body by means of the fixing pins.

20. The method according to claim 19, further comprising the steps of forming the jewel body, the latticework with the pins fixed to the lattice knots, and the fixing pins integrally by casting.

21. The method according to claim 1, wherein the mesh jewel is formed of at least one of platinum, gold, silver, titanium and stainless steel.

22. The method according to claim 2, wherein the shaping piece is made of a material completely removable by heat treatment or by applying a solvent.